

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032218\
 Data File : BN000540.D
 Acq On : 22 Mar 2018 15:03
 Operator : JU/SJ
 Sample : J1905-14DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 23 02:23:48 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 23 02:22:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	179932	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	758436	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.04	164	415262	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.80	188	850220	20.00	ng/ul	0.03
75) Chrysene-d12	21.89	240	856528	20.00	ng/ul	0.00
83) Perylene-d12	24.37	264	852498	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	710	0.14	ng/uL	0.00
5) Phenol-d5	7.58	99	14941	0.89	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.72	67	27803	2.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.94	132	29150	2.30	ng/ul	0.00
13) 4-Methylphenol-d8	9.14	113	23717	1.81	ng/ul	0.00
19) Nitrobenzene-d5	9.60	128	17377	2.82	ng/ul	0.00
22) 2-Nitrophenol-d4	10.33	143	17408	2.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.88	165	32788	2.87	ng/ul	0.00
29) 4-Chloroaniline-d4	11.35	131	19309	1.64	ng/ul	-0.03
43) Dimethylphthalate-d6	14.42	166	104638	3.19	ng/ul	0.00
46) Acenaphthylene-d8	14.74	160	128974	2.98	ng/ul	0.00
51) 4-Nitrophenol-d4	15.22	143	11228	1.84	ng/ul	0.00
57) Fluorene-d10	16.02	176	88306	3.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.15	200	28862	5.93	ng/ul	0.02
70) Anthracene-d10	17.88	188	126759	3.10	ng/ul	0.02
76) Pyrene-d10	20.12	212	134439	2.84	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.21	264	117236	2.91	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	7.53	77	9360	1.368	ng/ul# 1
14) Acetophenone	9.23	105	133003	6.843	ng/ul# 33
17) Hexachloroethane	9.53	117	20488	3.789	ng/ul# 1
21) Isophorone	10.17	82	1443681	49.805	ng/ul 98
25) Bis(2-Chloroethoxy)methane	10.67	93	34589	1.889	ng/ul# 91
27) 2,4-Dichlorophenol	10.91	162	24384	2.196	ng/ul# 83
28) Naphthalene	11.31	128	61781	1.551	ng/ul# 90
33) 4-Chloro-3-methylphenol	12.53	107	36984	2.834	ng/ul# 22
34) 2-Methylnaphthalene	12.89	142	67824	2.551	ng/ul 99
38) 2,4,6-Trichlorophenol	13.48	196	49787	5.883	ng/ul 98
39) 2,4,5-Trichlorophenol	13.57	196	21247	2.408	ng/ul 99
42) 2-Nitroaniline	14.08	65	8464	1.025	ng/ul# 1
45) 2,6-Dinitrotoluene	14.66	165	8661	1.324	ng/ul# 53
50) 2,4-Dinitrophenol	15.15	184	3754	1.217	ng/ul# 1
52) 4-Nitrophenol	15.24	109	19717	4.188	ng/ul# 32
55) 2,3,4,6-Tetrachlorophenol	15.68	232	4555603	676.103	ng/ul# 78
60) 4-Nitroaniline	16.10	138	9414	1.327	ng/ul# 79
63) 4,6-Dinitro-2-methylphenol	16.15	198	68821	13.388	ng/ul# 82
68) Pentachlorophenol	17.47	266	7835353	1621.925	ng/ul 96
69) Phenanthrene	17.84	178	135508	2.767	ng/ul 97
71) Anthracene	17.84	178	136743	2.723	ng/ul 99
72) Carbazole	18.17	167	46251	1.074	ng/ul# 93
77) Pyrene	20.15	202	132865	2.124	ng/ul# 73

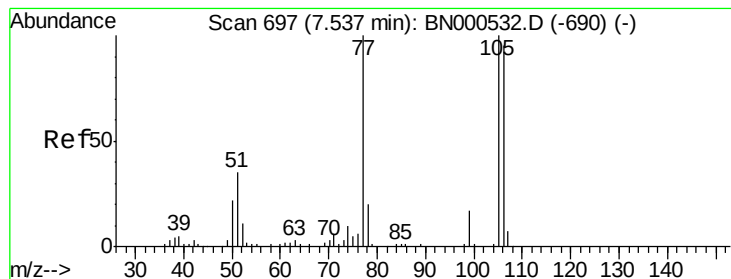
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032218\
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#4

Benzaldehyde

Concen: 1.368 ng/ul

RT: 7.53 min Scan# 696

Delta R.T. -0.01 min

Lab File: BN000540.D

Acq: 22 Mar 2018 15:03

Instrument :

BNA_N

ClientSampled :

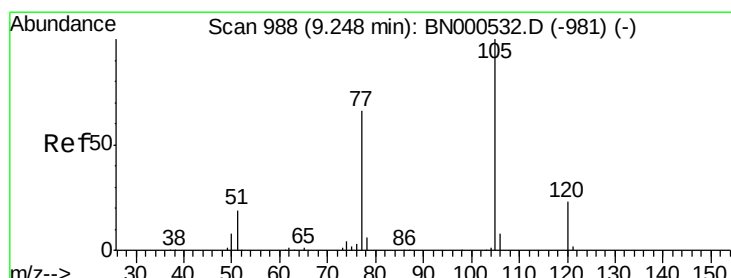
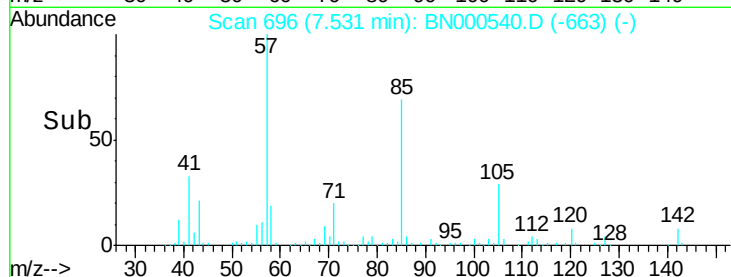
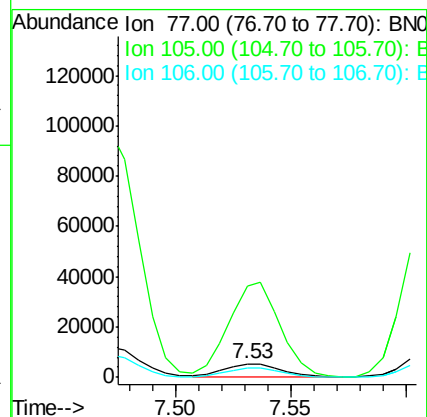
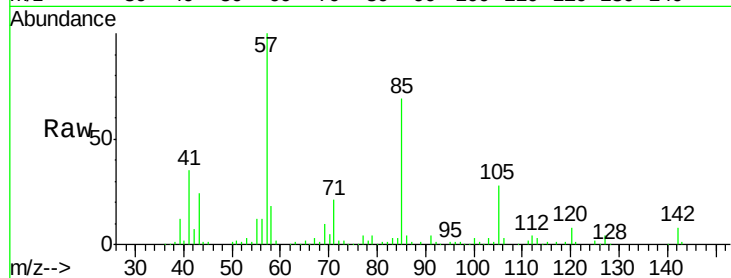
Tot Ion: 77 Resp: 9360

Ion Ratio Lower Upper

77 100

105 667.5 71.0 106.6#

106 68.2 69.5 104.3#



#14

Acetophenone

Concen: 6.843 ng/ul

RT: 9.23 min Scan# 984

Delta R.T. -0.02 min

Lab File: BN000540.D

Acq: 22 Mar 2018 15:03

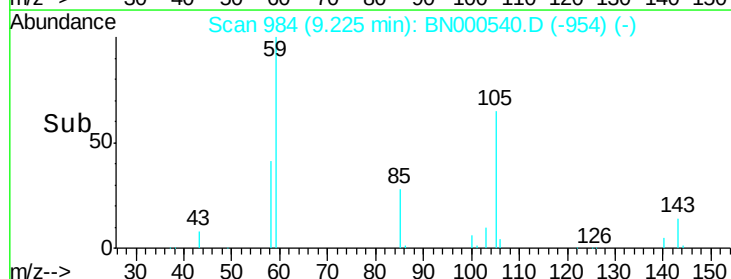
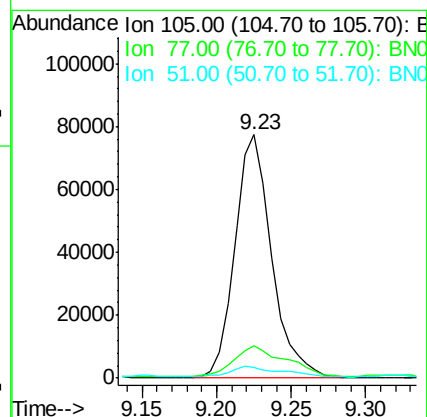
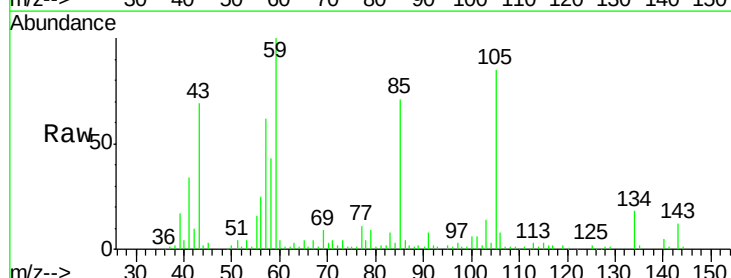
Tgt Ion: 105 Resp: 133003

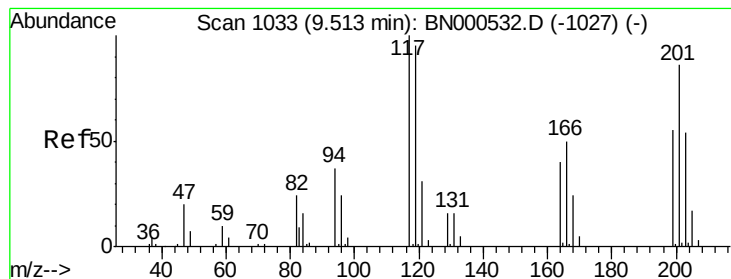
Ion Ratio Lower Upper

105 100

77 13.2 63.2 94.8#

51 4.3 19.8 29.8#





#17

Hexachloroethane

Concen: 3.789 ng/ul

RT: 9.53 min Scan# 1036

Delta R.T. 0.02 min

Lab File: BN000540.D

Acq: 22 Mar 2018 15:03

Instrument :

BNA_N

ClientSampleId :

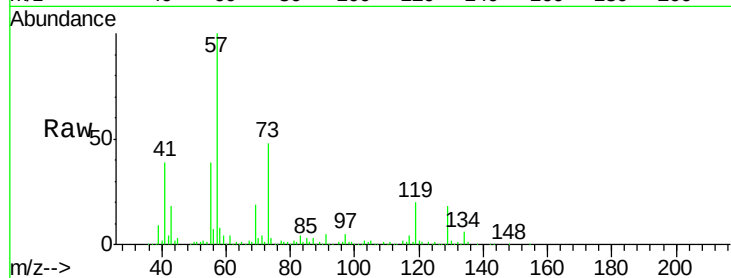
Tot Ion:117 Resp: 20488

Ion Ratio Lower Upper

117 100

201 0.0 96.1 144.1#

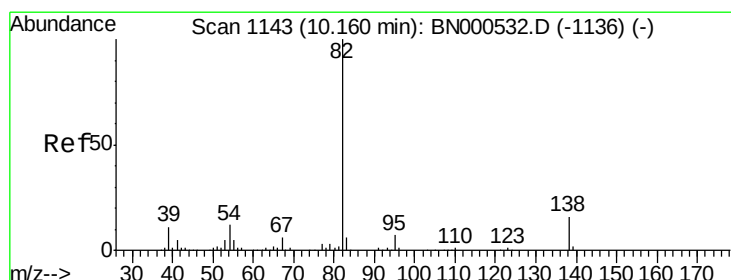
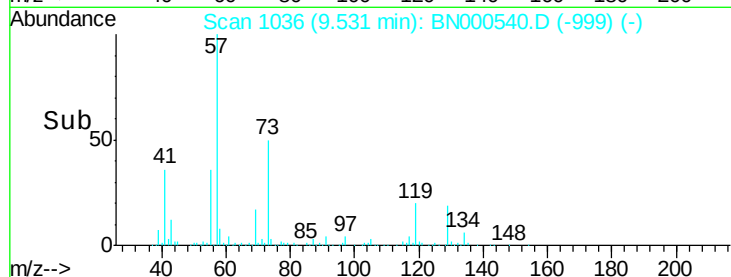
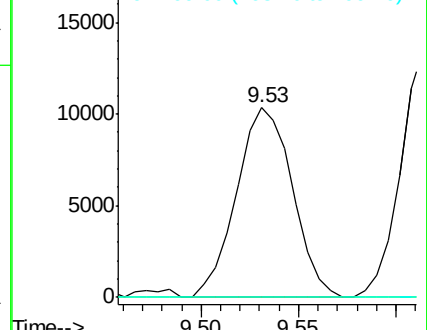
199 0.0 59.7 89.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#21

Isophorone

Concen: 49.805 ng/ul

RT: 10.17 min Scan# 1144

Delta R.T. 0.01 min

Lab File: BN000540.D

Acq: 22 Mar 2018 15:03

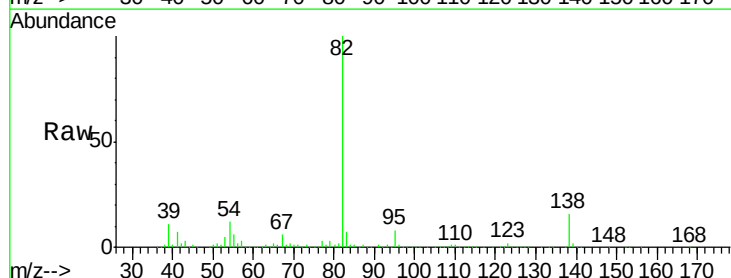
Tgt Ion: 82 Resp: 1443681

Ion Ratio Lower Upper

82 100

95 8.2 6.1 9.1

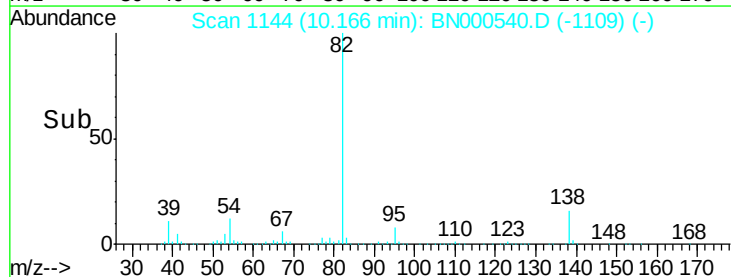
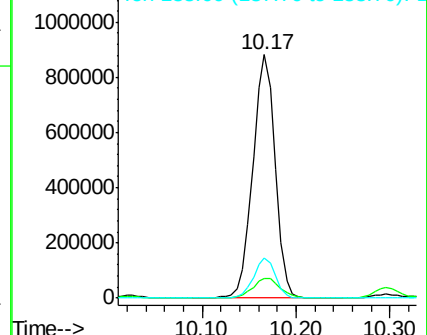
138 16.2 13.5 20.3

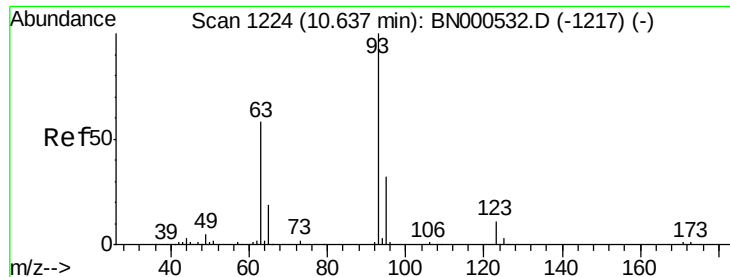


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 138.00 (137.70 to 138.70): BNC





#25

Bis(2-Chloroethoxy)methane

Concen: 1.889 ng/ul

RT: 10.67 min Scan# 1229

Delta R.T. 0.03 min

Lab File: BN000540.D

Acq: 22 Mar 2018 15:03

Instrument :

BNA_N

ClientSampleId :

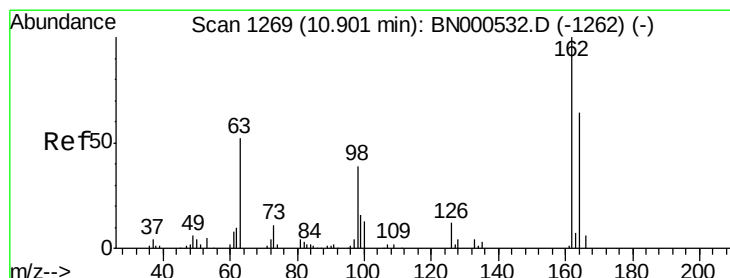
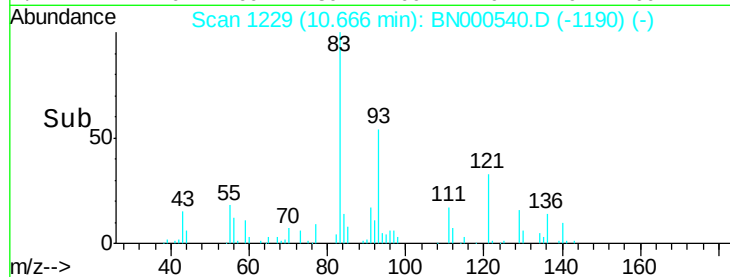
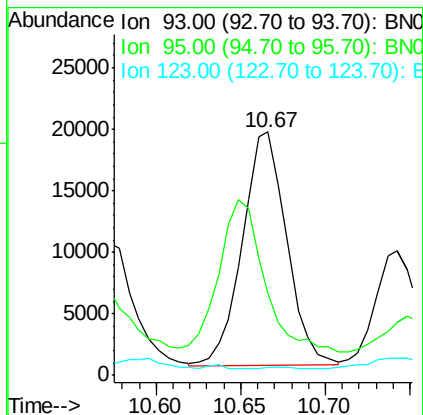
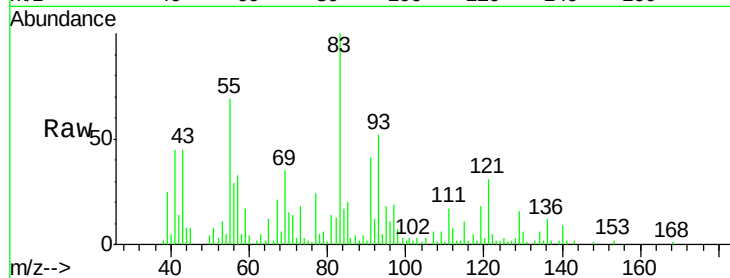
Tot Ion: 93 Resp: 34589

Ion Ratio Lower Upper

93 100

95 33.9 24.7 37.1

123 3.3 8.2 12.2#



#27

2,4-Dichlorophenol

Concen: 2.196 ng/ul

RT: 10.91 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BN000540.D

Acq: 22 Mar 2018 15:03

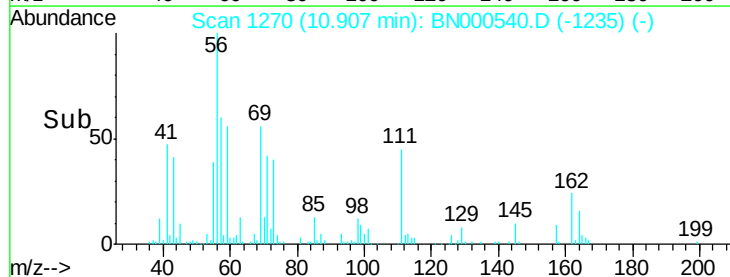
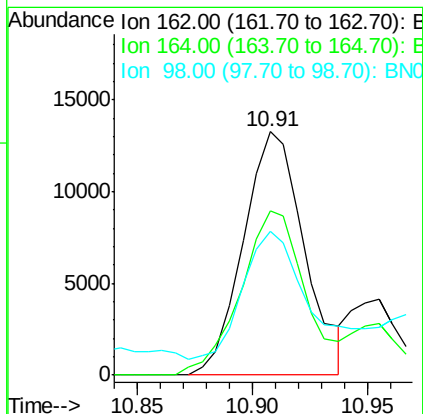
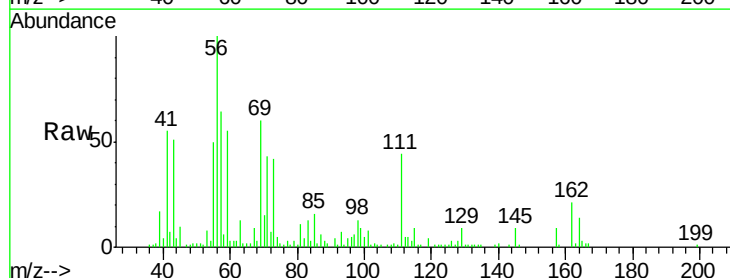
Tgt Ion: 162 Resp: 24384

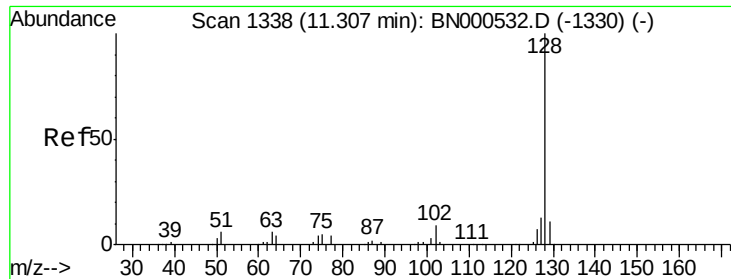
Ion Ratio Lower Upper

162 100

164 67.3 52.0 78.0

98 58.8 26.6 39.8#

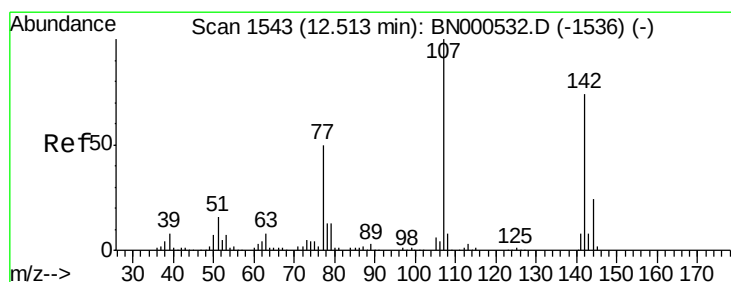
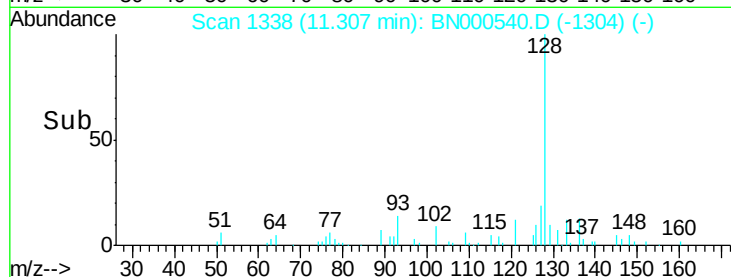
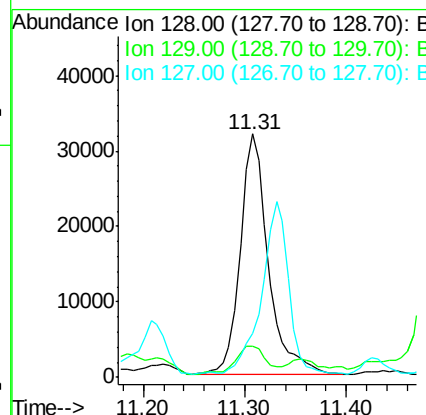
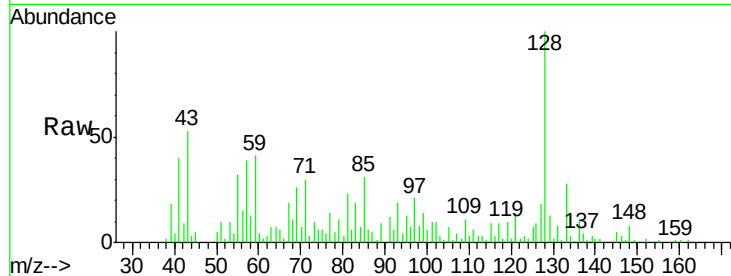




#28
Naphthalene
Concen: 1.551 ng/ul
RT: 11.31 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BN000540.D
Acq: 22 Mar 2018 15:03

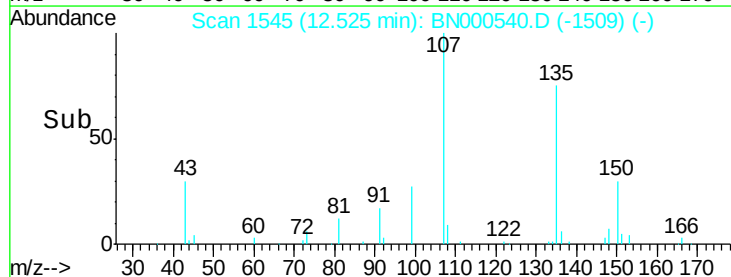
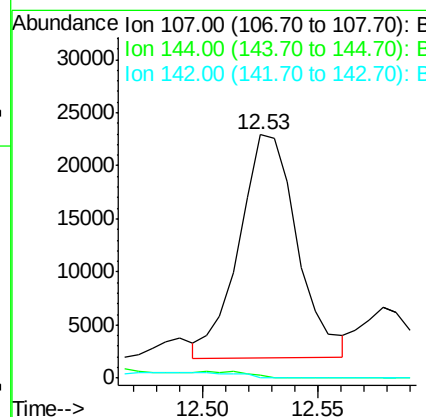
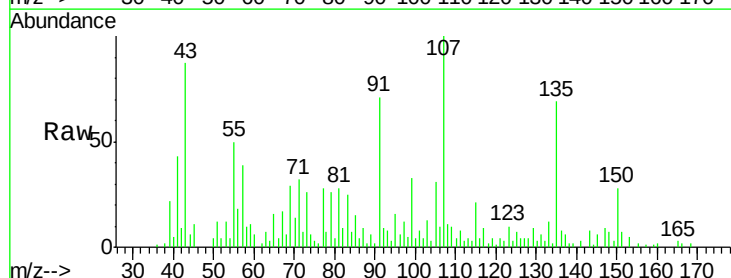
Instrument :
BNA_N
ClientSampleId :

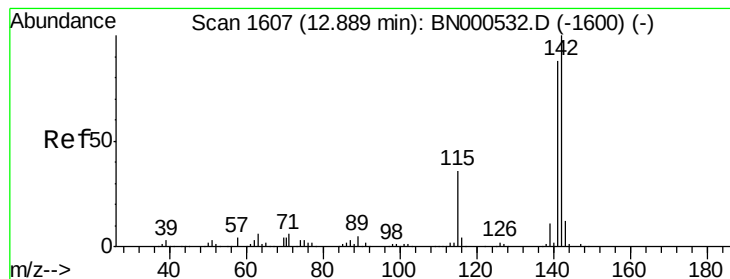
Tot Ion:128 Resp: 61781
Ion Ratio Lower Upper
128 100
129 12.9 8.3 12.5#
127 18.3 10.8 16.2#



#33
4-Chloro-3-methylphenol
Concen: 2.834 ng/ul
RT: 12.53 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BN000540.D
Acq: 22 Mar 2018 15:03

Tgt Ion:107 Resp: 36984
Ion Ratio Lower Upper
107 100
144 1.5 21.1 31.7#
142 0.0 60.1 90.1#





#34

2-Methylnaphthalene

Concen: 2.551 ng/ul

RT: 12.89 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BN000540.D

Acq: 22 Mar 2018 15:03

Instrument :

BNA_N

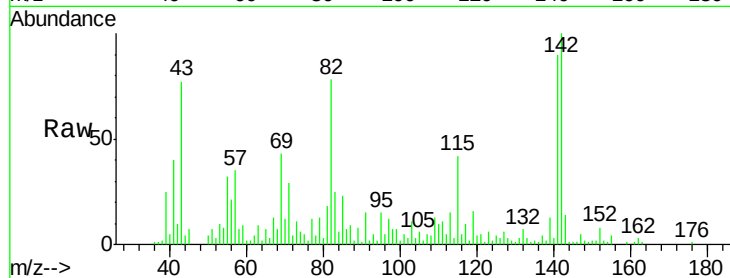
ClientSampled :

Tot Ion:142 Resp: 67824

Ion Ratio Lower Upper

142 100

141 89.8 71.4 107.2

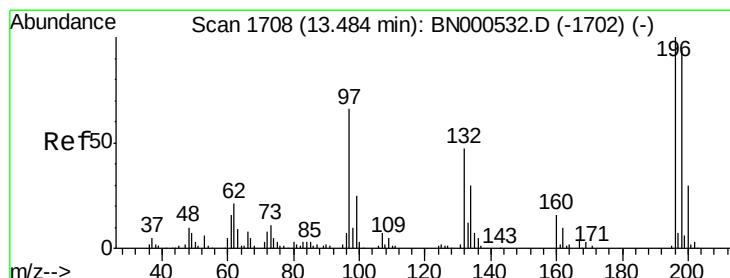
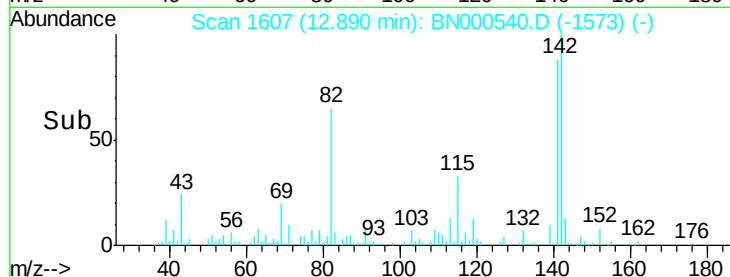


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#38

2,4,6-Trichlorophenol

Concen: 5.883 ng/ul

RT: 13.48 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BN000540.D

Acq: 22 Mar 2018 15:03

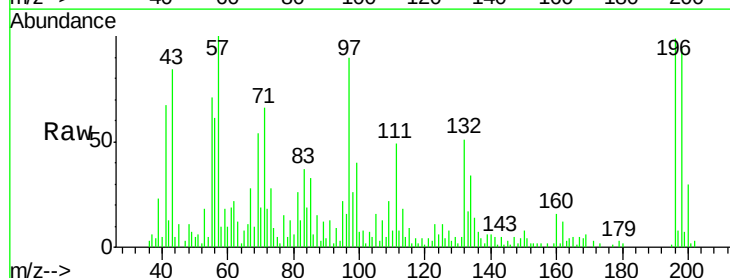
Tgt Ion:196 Resp: 49787

Ion Ratio Lower Upper

196 100

198 94.2 75.9 113.9

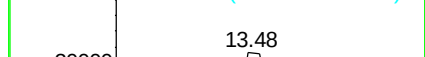
200 30.0 25.8 38.6



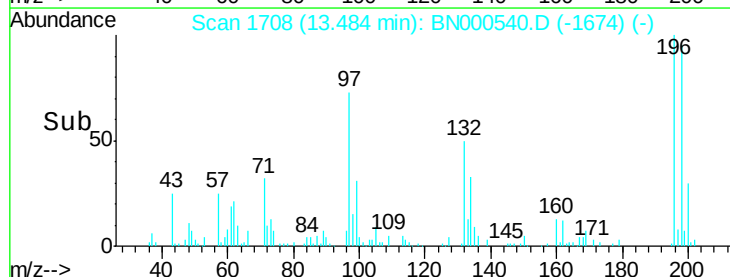
Abundance Ion 196.00 (195.70 to 196.70): E

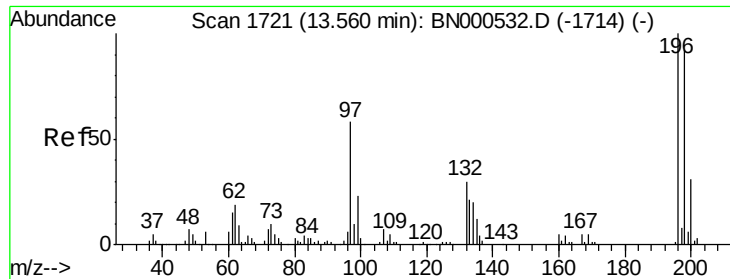
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



Time-->

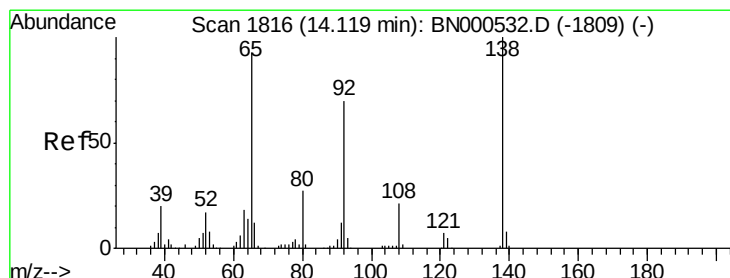
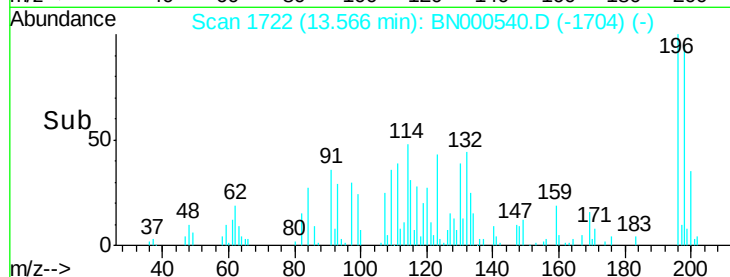
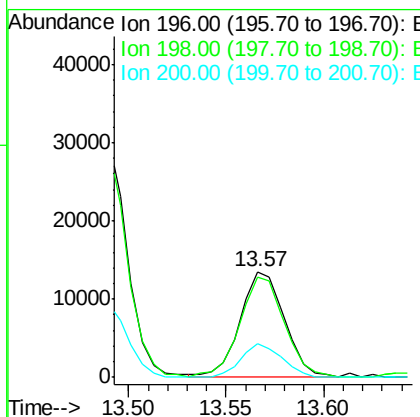
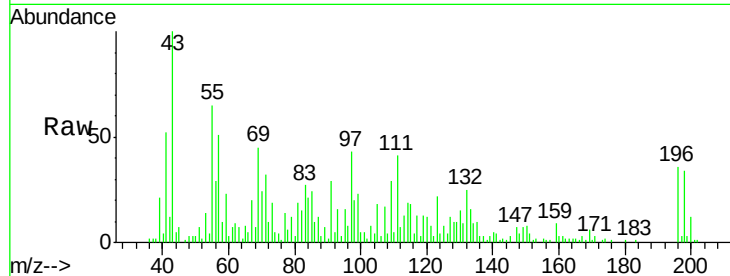




#39
 2,4,5-Trichlorophenol
 Concen: 2.408 ng/ul
 RT: 13.57 min Scan# 1722
 Delta R.T. 0.01 min
 Lab File: BN000540.D
 Acq: 22 Mar 2018 15:03

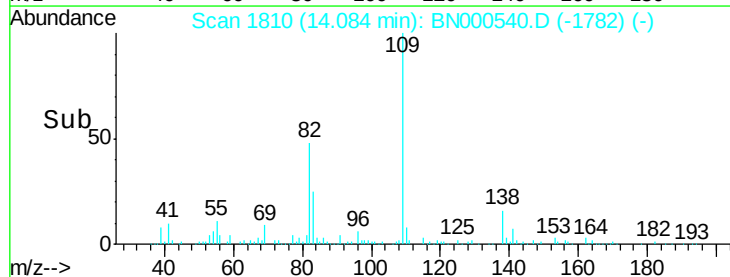
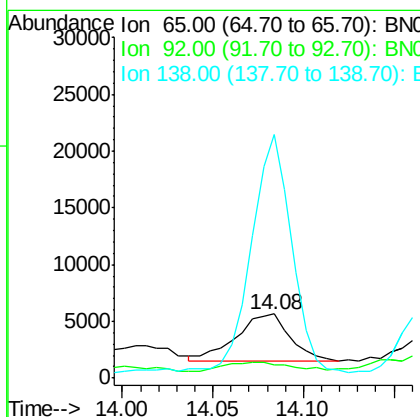
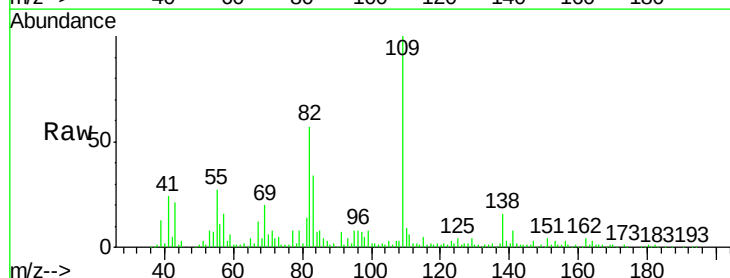
Instrument :
 BNA_N
 ClientSampleId :

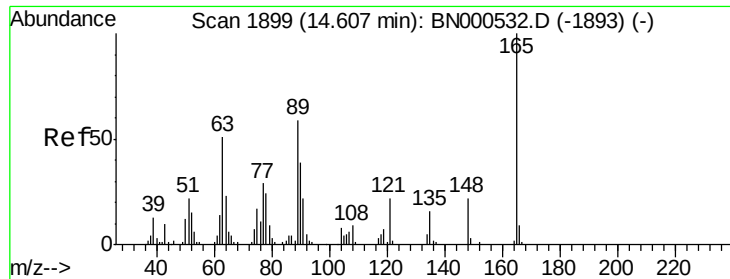
Tot Ion:196 Resp: 21247
 Ion Ratio Lower Upper
 196 100
 198 94.8 74.7 112.1
 200 32.5 25.4 38.0



#42
 2-Nitroaniline
 Concen: 1.025 ng/ul
 RT: 14.08 min Scan# 1810
 Delta R.T. -0.04 min
 Lab File: BN000540.D
 Acq: 22 Mar 2018 15:03

Tgt Ion: 65 Resp: 8464
 Ion Ratio Lower Upper
 65 100
 92 21.0 57.0 85.4#
 138 381.4 87.2 130.8#

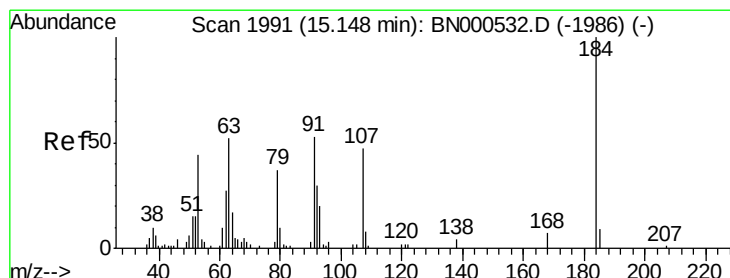
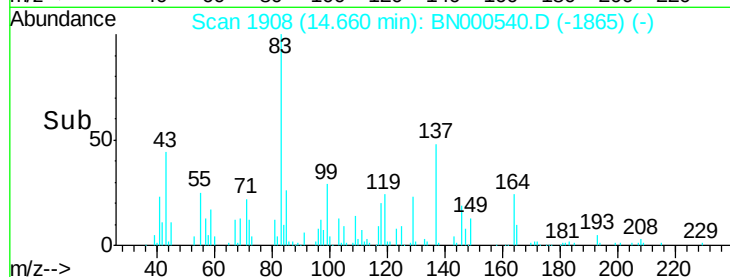
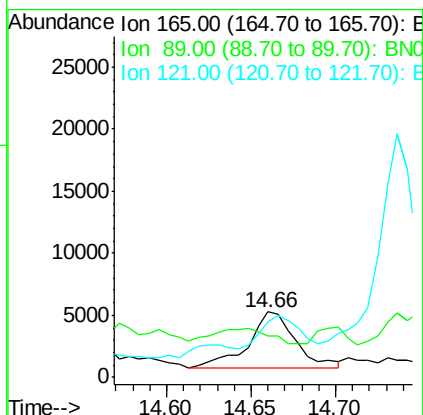
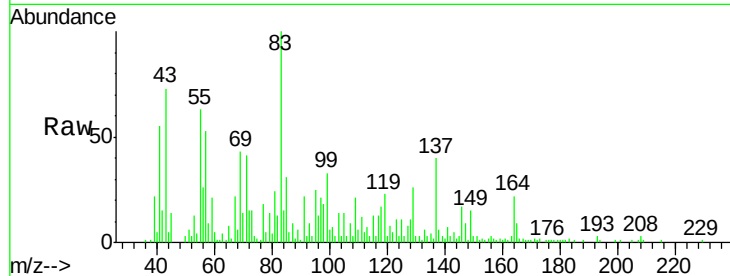




#45
 2,6-Dinitrotoluene
 Concen: 1.324 ng/ul
 RT: 14.66 min Scan# 1908
 Delta R.T. 0.05 min
 Lab File: BN000540.D
 Acq: 22 Mar 2018 15:03

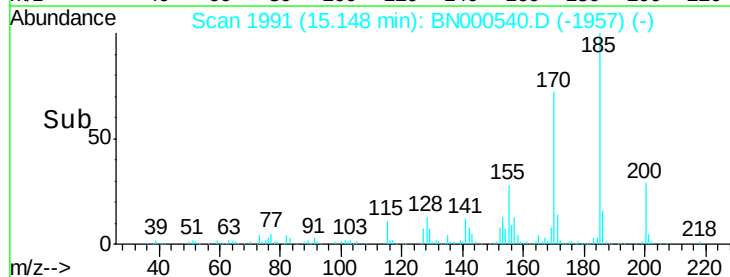
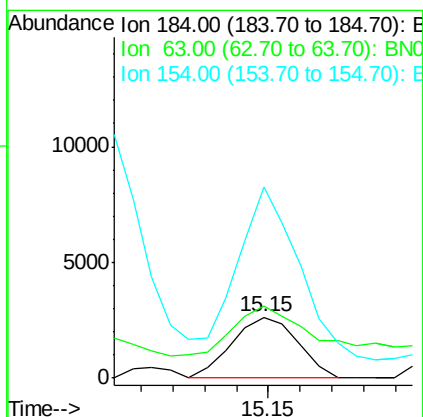
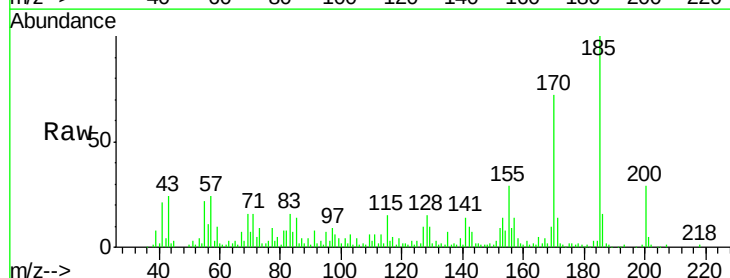
Instrument :
 BNA_N
 ClientSampleId :

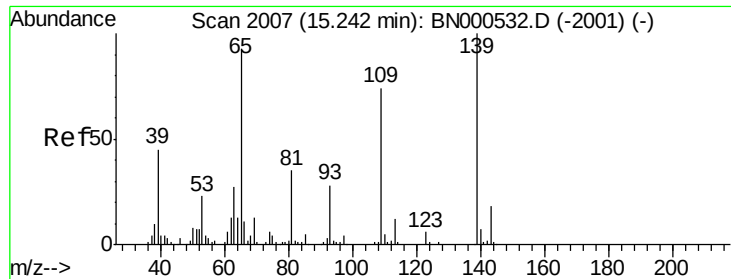
Tot Ion:165 Resp: 8661
 Ion Ratio Lower Upper
 165 100
 89 64.0 43.8 65.8
 121 85.2 17.8 26.6#



#50
 2,4-Dinitrophenol
 Concen: 1.217 ng/ul
 RT: 15.15 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: BN000540.D
 Acq: 22 Mar 2018 15:03

Tgt Ion:184 Resp: 3754
 Ion Ratio Lower Upper
 184 100
 63 118.5 39.7 59.5#
 154 313.2 45.0 67.6#

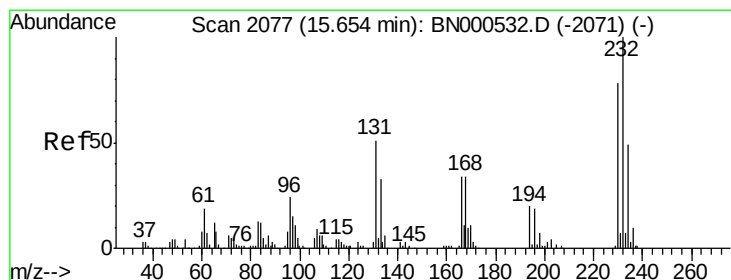
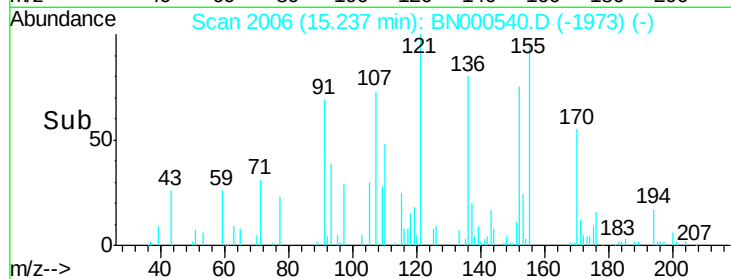
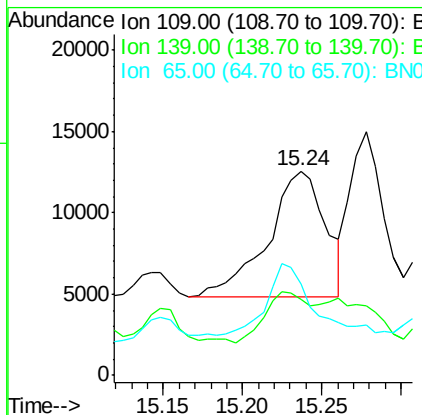
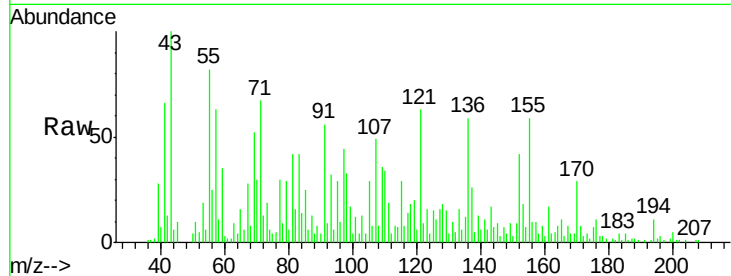




#52
4-Nitrophenol
Concen: 4.188 ng/ul
RT: 15.24 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BN000540.D
Acq: 22 Mar 2018 15:03

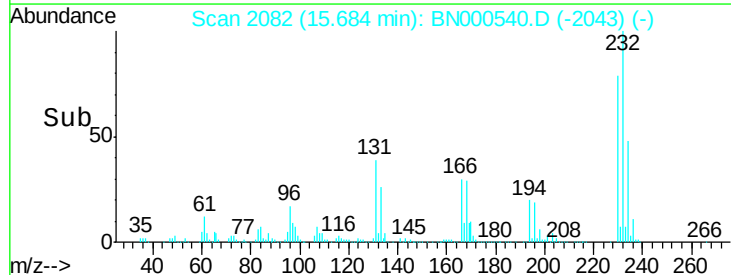
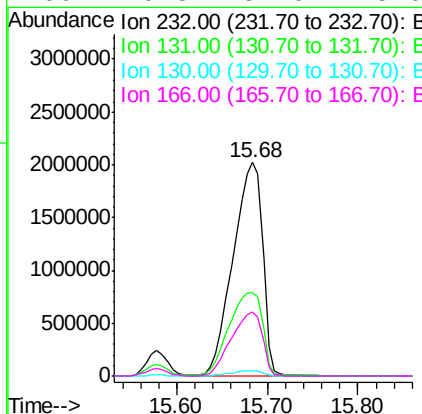
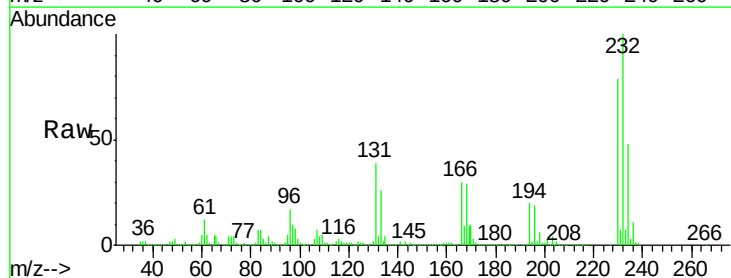
Instrument :
BNA_N
ClientSampled :

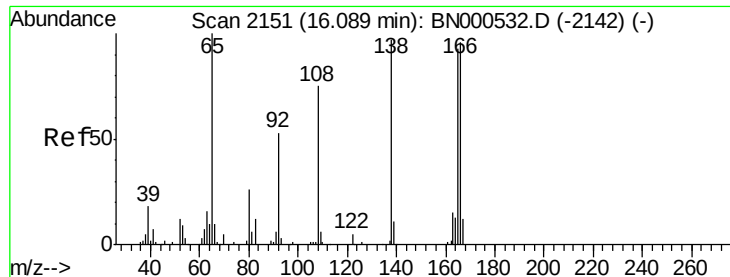
Tot Ion:109 Resp: 19717
Ion Ratio Lower Upper
109 100
139 37.4 91.2 136.8#
65 44.6 92.6 139.0#



#55
2,3,4,6-Tetrachlorophenol
Concen: 676.103 ng/ul
RT: 15.68 min Scan# 2082
Delta R.T. 0.03 min
Lab File: BN000540.D
Acq: 22 Mar 2018 15:03

Tgt Ion:232 Resp: 4555603
Ion Ratio Lower Upper
232 100
131 39.2 48.0 72.0#
130 2.4 4.0 6.0#
166 29.8 32.0 48.0#





#60

4-Nitroaniline

Concen: 1.327 ng/ul

RT: 16.10 min Scan# 2152

Delta R.T. 0.01 min

Lab File: BN000540.D

Acq: 22 Mar 2018 15:03

Instrument :

BNA_N

ClientSampleId :

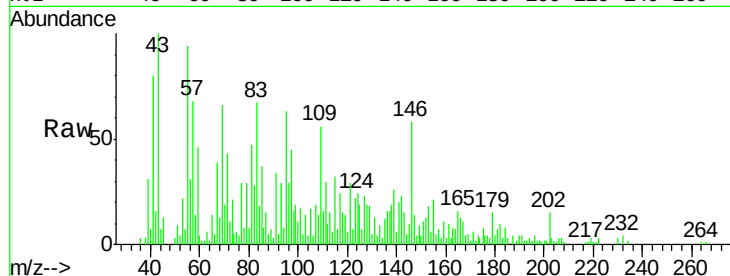
Tot Ion:138 Resp: 9414

Ion Ratio Lower Upper

138 100

92 28.5 38.2 57.4#

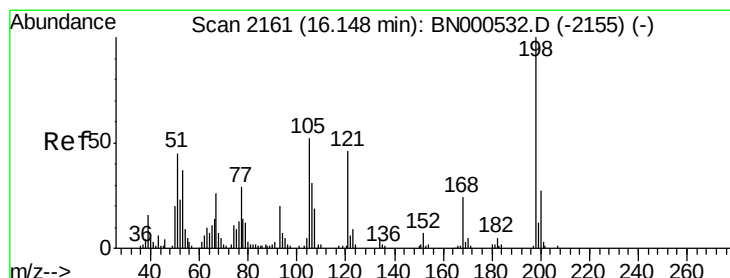
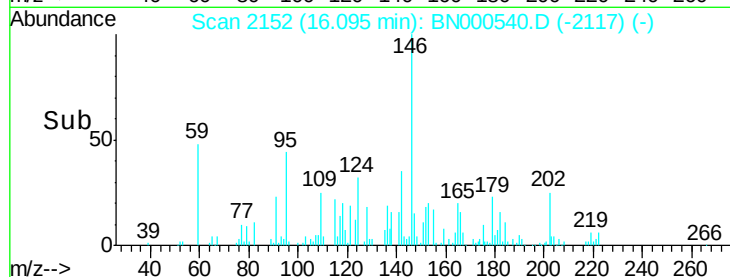
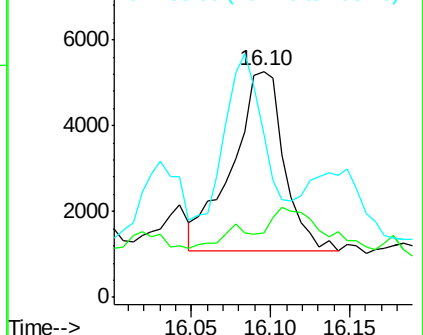
108 71.9 70.0 105.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNO

Ion 108.00 (107.70 to 108.70): E



#63

4,6-Dinitro-2-methylphenol

Concen: 13.388 ng/ul

RT: 16.15 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BN000540.D

Acq: 22 Mar 2018 15:03

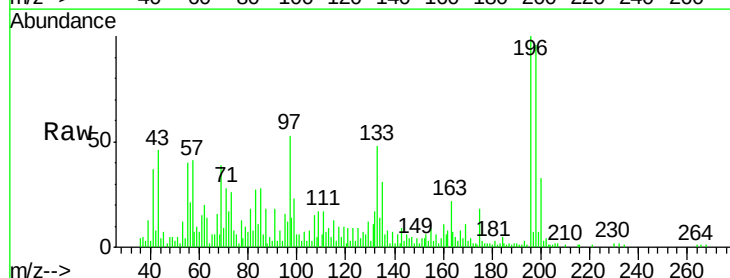
Tgt Ion:198 Resp: 68821

Ion Ratio Lower Upper

198 100

182 1.1 3.5 5.3#

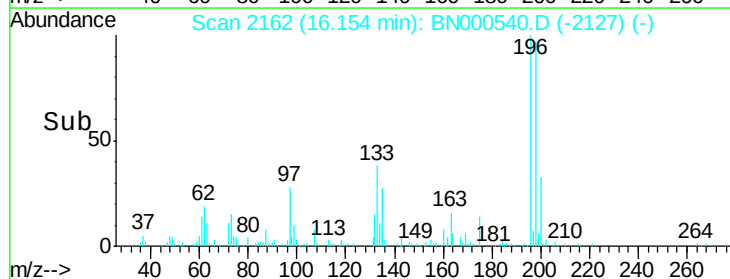
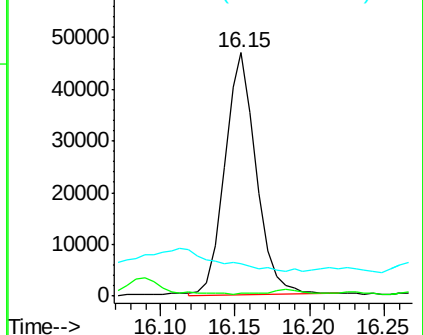
77 13.1 18.2 27.4#

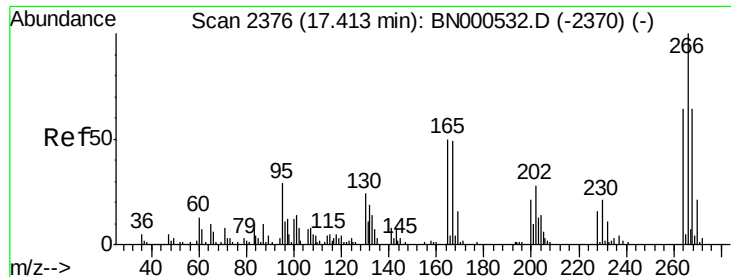


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BNO

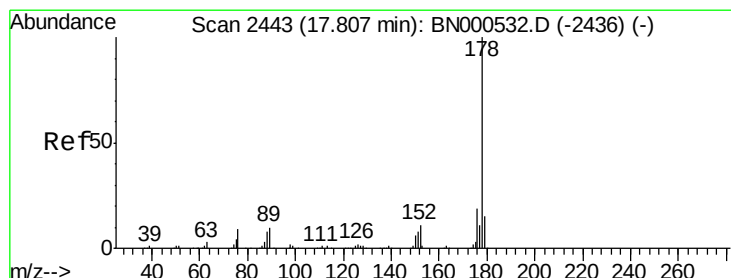
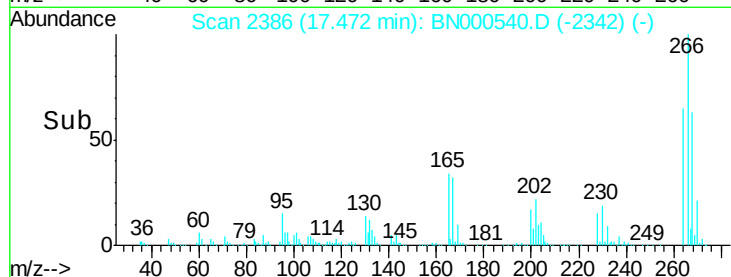
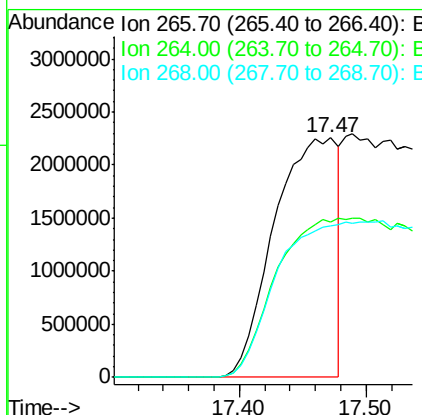
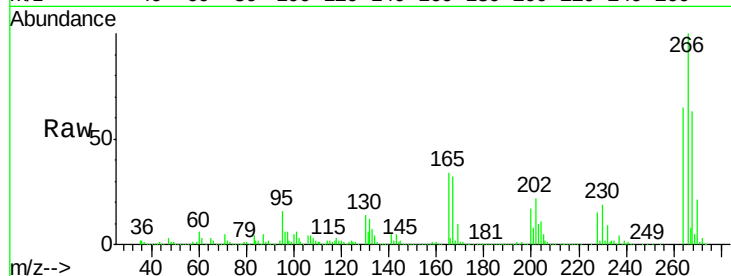




#68
 Pentachlorophenol
 Concen: 1621.925 ng/ul
 RT: 17.47 min Scan# 2386
 Delta R.T. 0.06 min
 Lab File: BN000540.D
 Acq: 22 Mar 2018 15:03

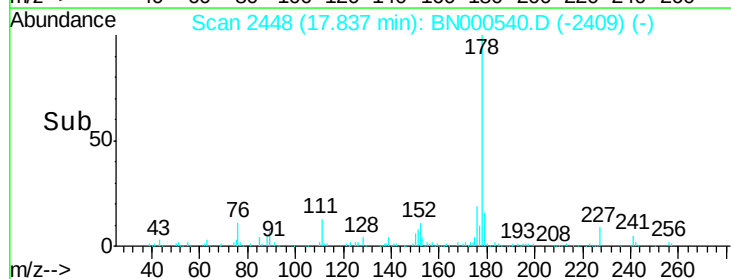
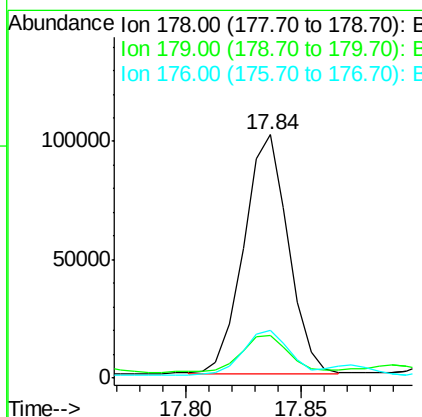
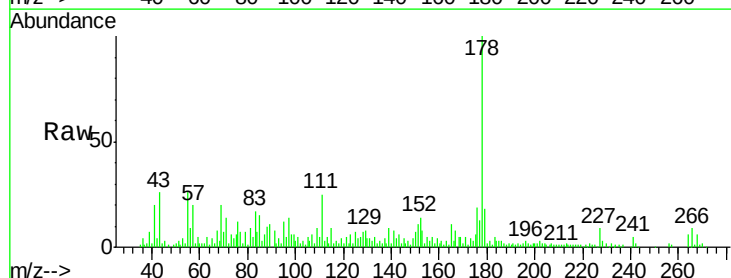
Instrument :
 BNA_N
 ClientSampled :

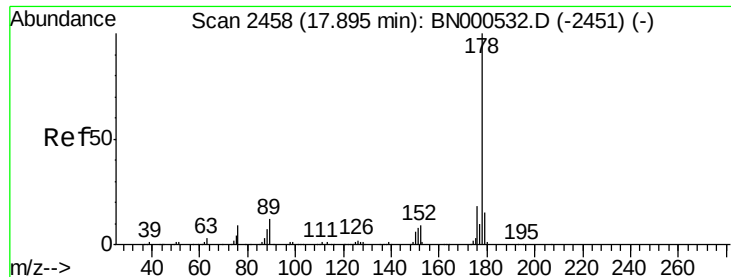
Tot Ion:266 Resp: 7835353
 Ion Ratio Lower Upper
 266 100
 264 64.9 48.2 72.4
 268 63.4 52.3 78.5



#69
 Phenanthrene
 Concen: 2.767 ng/ul
 RT: 17.84 min Scan# 2448
 Delta R.T. 0.03 min
 Lab File: BN000540.D
 Acq: 22 Mar 2018 15:03

Tgt Ion:178 Resp: 135508
 Ion Ratio Lower Upper
 178 100
 179 17.7 12.3 18.5
 176 19.5 15.4 23.0

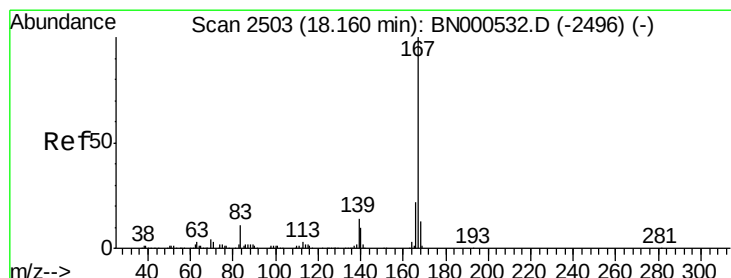
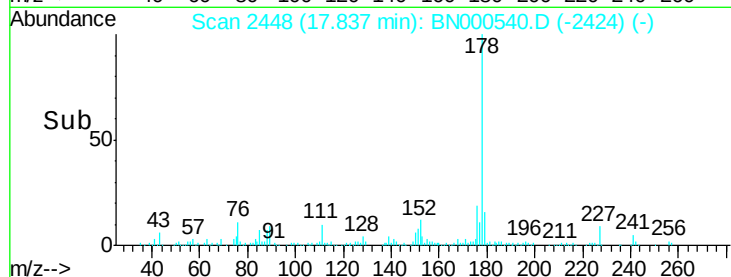
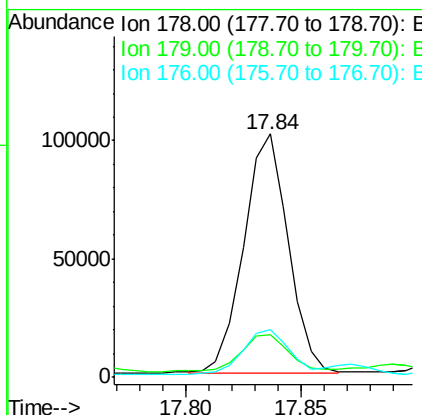
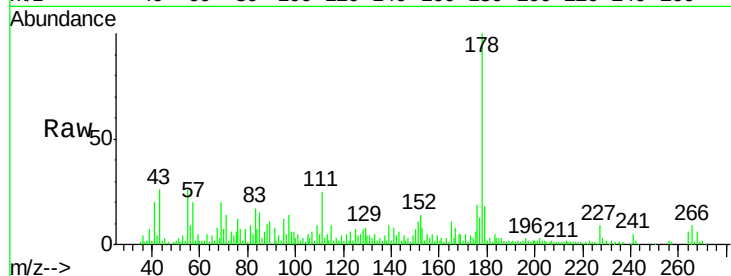




#71
 Anthracene
 Concen: 2.723 ng/ul
 RT: 17.84 min Scan# 2448
 Delta R.T. -0.06 min
 Lab File: BN000540.D
 Acq: 22 Mar 2018 15:03

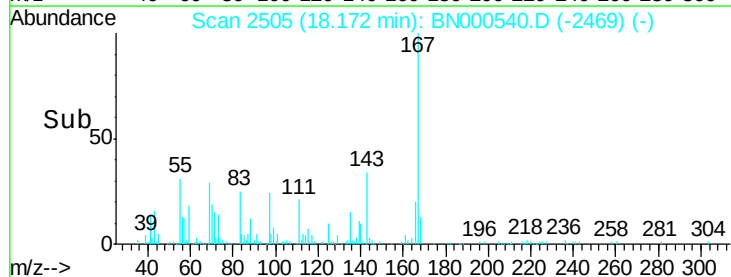
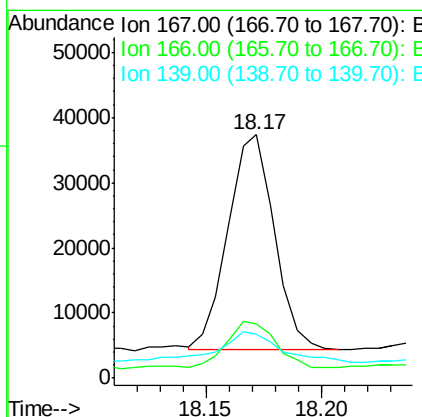
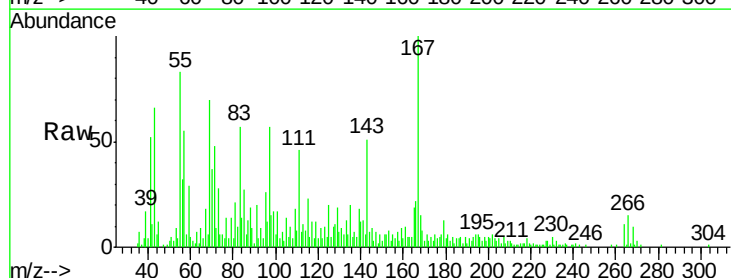
Instrument :
 BNA_N
 ClientSampleId :

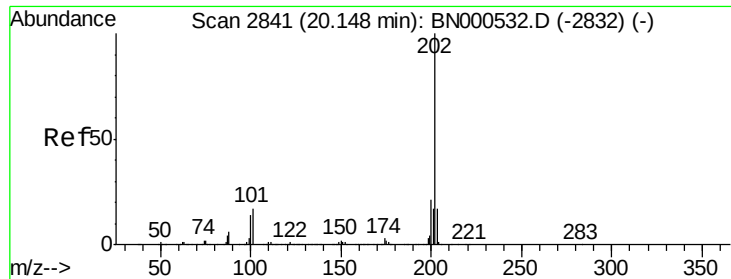
Tot Ion:178 Resp: 136743
 Ion Ratio Lower Upper
 178 100
 179 17.7 13.4 20.2
 176 19.5 15.4 23.0



#72
 Carbazole
 Concen: 1.074 ng/ul
 RT: 18.17 min Scan# 2505
 Delta R.T. 0.01 min
 Lab File: BN000540.D
 Acq: 22 Mar 2018 15:03

Tgt Ion:167 Resp: 46251
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.0 25.4
 139 18.3 9.1 13.7#





#77
 Pvrene
 Concen: 2.124 ng/ul
 RT: 20.15 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: BN000540.D
 Acq: 22 Mar 2018 15:03

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	18.9	6.9	10.3#
100	15.7	5.6	8.4#

